

#### ABSTRACT OF THE DISCLOSURE

[0035] An electronic trip unit for a circuit breaker includes a programmed microprocessor and a module plug in removable signal communication with the microprocessor. The module plug includes a program identifier. The microprocessor recognizes the program identifier and accesses a program of a plurality of programs external to the module plug based on the program identifier. The microprocessor responds to the program to perform a function identified by the module plug. The function identifiable by the module plug includes a communications function, a load monitoring function, a non-tripping ground fault alarm function, a flag function, or any combination thereof.